

Date: Wed, 31 Aug 94 10:32:44 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #981  
To: Info-Hams

Info-Hams Digest                      Wed, 31 Aug 94                      Volume 94 : Issue 981

Today's Topics:

Are ordinary batteris chargeable?  
Current FTP Mod Sites?  
FLAME the FCC  
Help!  
IPS Daily Report - 30 August 94  
Looking for Morse code trainer seen Dayton  
Number of Call Signs  
Ohio/Penn DX Bulletin #172  
Ten-Ten Number - where to get one? (2 msgs)  
TNC-2 mods for 9600 pacsat use  
W6RO @ The Queen Mary  
Willco Memory Problem

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: Wed, 31 Aug 1994 02:06:03 GMT  
From: netcomsv!netcom.com!wa2ise@decwrl.dec.com  
Subject: Are ordinary batteris chargeable?  
To: info-hams@ucsd.edu

have always heard "no" on recharging "primary" batteries. Like carbon-zinc  
and alkalines. If you try, the battery might "explode". Not "explode"  
like a hand gernade or cherry bomb, but just leak some really yucky  
corrosive gunk that seems specially designed to do maximum damage to  
radios and flashlights.

-----  
Date: 30 Aug 1994 19:47:16 -0700  
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.sprintlink.net!rain.org!rain.org!  
not-for-mail@network.ucsd.edu  
Subject: Current FTP Mod Sites?  
To: info-hams@ucsd.edu

Could someone please list some current FTP sites for Ham radio mods?

I understand cs.buffalo.edu has many mods, but the usual  
"anonymous/e-mail address" combination for user name & password does not  
work for me. What should I use instead?

Thanks and 73 from Leigh/KM6JE.

-----  
Date: Tue, 30 Aug 1994 18:12:23 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!halley!integrity!malamute!  
barryc@network.ucsd.edu  
Subject: FLAME the FCC  
To: info-hams@ucsd.edu

RE:

>SO...if you would like to have your taxes hiked, then by all means, I'm  
>sure that we can accomidate 4-5 week turnaround!

You mean all the NAL's the FCC has been issuing isn't helping their bottom  
line? They are more profitable than a speed trap in Texas. :)

Not that I don't appreciate the great job the FCC does. Understaffed  
and overworked.

Barry D. Chalcroft / N5NWI  
Work: (512) 244-8723  
EMAIL: barryc@mpd.tandem.com  
76500.2177@compuserve.com  
Tandem Computers ISD, Austin, TX  
The Home of "UNIX with Integrity"

-----  
Date: 30 Aug 1994 23:24:56 -0400  
From: library.ucla.edu!csulb.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!news.kei.com!travelers.mail.cornell.edu!newstand.syr.edu!

galileo.cc.rochester.edu!ceas@ihnp4.ucsd.edu

Subject: Help!

To: info-hams@ucsd.edu

Hello everyone!

I'm not sure if this is the right to place this message, but I have to start somewhere!

I'm interested in ham-radio and I would like to know what kind of equipment would be needed to reach europe (specially Italy). Of course, I also would like to know approximately how much I would have to spend to get such equipment.

Any information on how to get started will be greatly appreciated.

Cesar

-----  
Date: Tue, 30 Aug 1994 23:36:22 GMT

From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!isclient.merit.edu!

msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!

rwc@network.ucsd.edu

Subject: IPS Daily Report - 30 August 94

To: info-hams@ucsd.edu

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M1/SF	0833UT	probable	0824UT	0845UT	lower	Middle East/Indian
M1/SF	1037UT	probable	1036UT	1100UT	lower	Africa/Europe

Observed 10.7 cm flux/Equivalent Sunspot Number : 83/24

GOES satellite data for 29 Aug

Daily Proton Fluence >1 MeV: 1.7E+06

Daily Proton Fluence >10 MeV: 1.5E+04

Daily Electron Fluence >2 MeV: 6.9E+06

X-ray background: B1.7

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

#### 1B. SOLAR FORECAST

	31 Aug	01 Sep	02 Sep
Activity	Moderate	Moderate	Moderate
Fadeouts	Possible	Possible	Possible

Forecast 10.7 cm flux/Equivalent Sunspot Number for 31 Aug: 86/29

-----  
2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet

Estimated Indices :	A	K	Observed A Index 29 Aug
Learmonth	6	2222 1222	
Fredericksburg	4		4
Planetary	4		4

Observed Kp for 29 Aug: 1131 1111

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
31 Aug	8	Quiet
01 Sep	8	Quiet
02 Sep	8	Quiet

-----  
3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
30 Aug	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
31 Aug	normal	normal	normal
01 Sep	normal	normal	normal
02 Sep	normal	normal	normal

-----  
4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
30 Aug	28	Near predicted monthly values with 30-50% enhancements 13-21 UT.

Predicted Monthly T-index for August: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
31 Aug	25	Near predicted monthly values
01 Sep	20	Near predicted monthly values
02 Sep	25	Near predicted monthly values

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606

Recorded Message      tel: +61 2 4148330    |West Chatswood NSW 2057  
email: rwc@ips.oz.au   fax: +61 2 4148331   |AUSTRALIA

-----  
Date: 31 Aug 1994 04:17:03 GMT  
From: epicb!davidsmac.truevision.com!davids@uunet.uu.net  
Subject: Looking for Morse code trainer seen Dayton  
To: info-hams@ucsd.edu

At Dayton this year I saw a company that had a very small morse code trainer. This unit was a small box with two push button switches and an earphone. When you turned the unit on, pushing the buttons would change the speed of the random code it sent. I picked up literature, but now I can't find it. Does anyone remember seeing this unit? Do you know who was selling it?

Thanks!  
-David N9PGH

-----  
Date: Tue, 30 Aug 1994 22:51:31 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!  
yeshua.marcam.com!news.kei.com!world!drt@network.ucsd.edu  
Subject: Number of Call Signs  
To: info-hams@ucsd.edu

Scott Statton (n1gak@netcom.com) wrote:

: One other fact: There are a few hundred (thousand?) callsigns that  
: LOOK just like amateur service calls, but are reserved for other  
: experimental services ... I saw a call WA4X?? that was assigned to  
: a project out at Stanford ... Who knows the whole story behind that?

Yup. The Amateur and Experimental services share the same international callsign guidelines. The FCC assigns all 2x3s with suffix beginning with "X" to the Experimental service (actually, I thought they had to start with "K", too). The Lojack car retrieval system available in Boston and some other places holds (or held) the callsign KA2XGB.

-drt

-----  
David R. Tucker      KG2S                      8P9CL                      drt@world.std.com

-----  
Date: Sun, 28 Aug 1994 15:02:00 MDT  
From: ihnp4.ucsd.edu!library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!  
quartz.ucs.ualberta.ca!alberta!ve6mgs!usenet@network.ucsd.edu  
Subject: Ohio/Penn DX Bulletin #172  
To: info-hams@ucsd.edu

SB DX @ ALLBBS \$OPDX.172  
Ohio/Penn DX Bulletin No. 172

The Ohio/Penn Dx PacketCluster  
DX Bulletin No. 172  
BID: \$OPDX.172  
August 29, 1994  
Editor Tedd Mirgliotta, KB8NW  
Provided by BARF-80 BBS Cleveland, Ohio  
Online at 216-237-8208 14400/9600/2400/1200/300 8/N/1

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, DF4RD, DL7VEE & DX NEWS Letter, AD1C, DL3NEO, G4XTA, JA6CNL, JH3GAH, K4CEF & Southeastern Cluster Group, V73C, KF8VW and K6OZL for the following DX information.

1A0KM STATUS (From the Huntsville, LA Hamfest). At the DXCC Forum, Bill, NC1L (of the DXCC Desk) announced that the latest 1A0KM operation has been approved for DXCC credit.

4U1ITU. This past week (August 22-26th) Hannes, DL3NEO, was the operator at 4U1ITU. QSL direct to DK2ZB/Richard Roegner, Simonshofer STR 45, D-91207 LAUF, Germany.

5A, LIBYA (SLIM OF THE WEEK? WFWL!). A station signing 5AARG was active on 14242 kHz starting around 2240z for about an hour on August 26th. The operator stated his name was Ali and he was operating from Tripoli. A stateside station asked how to QSL to him and he replied he could not at this time. Ali was not just giving out 5/9 reports but would give an accurate report and was asking the stations he worked what kind of equipment they were using. Ali indicated he was using a vertical and an ICOM radio.

701AA NEW QSL ROUTE AND STATUS. The INDEXA Net reported that operator Ahmed is safe in Jeddah along with the logs for 701AA. They also reported that the equipment was lost in the war. Those who had a chance to work 701AA back in April, here is a new QSL route: Ahmed Nasser, P.O. Box 7198, Jeddah 21462, Saudi Arabia.

9G, GHANA. The members of the Central Arizona DX Association will be

very active in the upcoming contest season as they make plans for a DXpedition to Ghana. Their operations begin October 26th through November 4th and they plan to be an entry in the CQ World Wide SSB Contest, October 29-30th. Operators will be Vince/K5VT/9G5VT, Mike/AA7N0/9G5MB, Warren/KF7AY/9G5WH, Rod/NZ7E/9G5RM, Jack/WA7LNU/9G5JR and Millie/WY7K/9G5MT. Their contest callsign will be 9G5TL. The group will operate from the NOVOTEL, Accra, Ghana, West Africa. This is the first major contest operation from Ghana since 1982. Operations will be observed by members of the Ghana Amateur Radio Society. Outside the contest the group will have 3 stations working 160-10 meters including WARC bands. Operation will include SSB, CW and RTTY modes. During the SSB contest the group will operate in the multi-single category. QSL 9G5TL via KG7XC, Jack Sheldon, Jr., PO Box 31898, Mesa, Arizona 85275-1898. QSL other callsigns via home calls. For more information on this DXpedition contact Rod Mack, NZ7E, at (702) 782-9758 extension 34.

A second group of members from the Central Arizona DX Association and friends from the UK (an all FOC group) will follow the SSB operation of 9G5TL to Ghana for a multi-multi or multi single operation in the CQ WW CW contest, between November 20th to November 30. The contest takes place November 26-27th and their contest callsign will be 9G5NN. The following operators will be active from the same location as the first group: Mike/KC7V/9G5MF, Tony/N7BG/9G5TR, Jim/K7GE/9G5JR, Roger/G3SXW/9G5RW, Rob/GM3YTS/9G5RF and Chris/G4FAM/9G5CH. Like the SSB group, they will be active on all bands, all CW with some RTTY. QSL 9G5NN via G3SXW. For more information on this group contact Mike Fulcher, KC7V, at (602) 585-4800 or 1-800-922-7887.

Meanwhile, John, GM0FQV, arrived recently in Ghana and will be there working on a construction project for the next couple of years. John was signing GM0FQV/9G1, but as of the past weekend he has received his 9G1JB callsign. He has been heard on 15 and 20 meters SSB recently around 2300z. QSL only to G4XTA.

HS, THAILAND. Fred, K3ZO, is again operating as HS0ZAR. This time he will be there until October 10th. Also, he will be spending a few days in Singapore where he will attend the IARU Region 3 Conference. Look for him on 20 meters CW between 1130-1600z. He states that he will give 40 meters a try (Bangkok sunset 1119z, sunrise 2307z). Fred reports that 80 meters is still a no-no in Thailand except for special expositions, expeditions and contests. So he does not expect to be able to operate 80 meters or the WARC bands. QSL to K3ZO or via the bureau.

JU1HC QSL INFO CORRECTION. Japan DX News reports a correction in the QSL information of JU1HC. QSL via JA2DDN, Hideo Kirii, 1-73-2 Amatsuka-cho Nishi-ku, Nagoya-city, 451 Japan. This operation will go QRT on August 31st.

KH0, SAIPAN ISLAND. JA6CNL (KR4VN) will be active from here as KH0/KR4VN from September 10-13th. Suggested frequencies are: CW - 7025, 10102,

14025, 18070, 21025, 24895 and 28025 kHz and SSB - 7080, 14195, 18150, 21295, 24950 and 28495 kHz. There may be a little activity on 80 meters. QSL via JA6CNL, PO. Box 11, Yahata, Kitakyushu, 805 Japan or via JARL.

PY0, FERNANDO DE NORONHA. There will be activity again from PY0ZFB between September 3-5th. QSL via JL1KSI.

SV/A, MOUNT ATHOS. Arie, 4X6U0 (via N3KK), reports that a few German operators have just recently finished setting up RTTY equipment for Monk Apollo. SV2ASP/A was active on RTTY a few weeks ago, presumably to test the equipment. Apollo (SV2ASP/A) will be very active on RTTY (which is now reportedly his favorite mode) in October, or possibly sooner. The best time to catch him is on Sundays after he has finished his work around the monastery.

V5, NAMIBIA. In October, (during the CQ WW SSB Contest) a group will be active from Namibia. Their callsign has not been made available as of yet nor has the complete list of operators. Some of the operators that were mentioned are N0AFW, W5/AH9B and NH6UY. It was reported that Pat, NH6UY, is taking satellite gear on this trip. Also, Peter, N0AFW, will head-up this DXpedition and he may still have some spaces available for operators if you're interested.

V7, MARSHALL ISLANDS. Ken, V73C, reports that he will be assisting in a big V7X operation in the CQ WW SSB Contest (October 29 and 30th). The other operators who will be there are KH6HH, KH6M and AH6IO. QSL (direct) to KH6HH.

VK9, COCOS-KEELING ISLANDS. JA3IG will be active as VK9IG from Cocos Keeling Island from September 7-10. Operations will be on 40-10 meters CW/SSB. QSL via JA3IG.

VK9MM CARDS (ANOTHER ROUTE). Ken, V73C, and Murray, WA4DAN, who were operators of VK9MM DXpedition and were recently at the Huntsville Hamfest, stated if anyone is having trouble getting a VK9MM card, send one card and a SASE to Murray, WA4DAN. Both Murray and Ken have copies of the VK9MM logs.

WHERE IS ROMEO (3W3RR, 5A0RR, P5RS7, etc)? Romeo made a surprise visit to the Huntsville, AL Hamfest. He is reportedly a guest of Verne, W8BLA, and attended the DX dinner banquet. He offered no new information or current details on the DXCC status of his past 5A and P5 operations. However, at the DXCC Forum, Bill, NC1L (of the DXCC Desk) announced that the P5RS7 documentation has been translated from Korean into English, and is being reviewed. He also mentioned they are still waiting on documentation for the 5A0RR operation. Several people have reported that Romeo told them that he will be taking a couple of years off from DXpeditioning.



YA, AFGHANISTAN. OPDX has received QSN reports from the Southern states and East coast stations that there has been activity on 20 meters CW from a YA/RW6AC (with a weak signal). This station has not been heard since OPDX first reported it back in May and at that time there was an indication this station would only be there through the first week of June. Check around 14010 kHz between 1100 and 1230z. QSL to Box 16, Armavir, Russia.

FAX YOUR DX INFORMATION NOW! Faxing is available Monday/Wednesday/Friday from 0430 to 2330z only. The number is 216-237-8208 and the FAX card is sharing the same phone line as BARF-80 BBS using a data/fax/phone switch.

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW/OPDX/BARF80 receive credit. To contribute DX info, call BARF-80 BBS online at 216-237-8208 14400/9600/2400/1200/300 and leave a message with the Sysop or send InterNet Mail to: aq474@cleveland.freenet.edu or send BitNet Mail to: aq474@cleveland.freenet@cunyvms or send PRODIGY Mail to: DFJH48A or send a message via packet to KB8NW @ WA8BXN.OH.USA.NA

/EX

-----  
Tedd Mirgliotta KB8NW  
InterNet: kb8nw@barf80.nshore.org  
Basic Amateur Radio Frequency BBS (BARF-80) +1 216/237-8208  
"Totally devoted to Amateur Radio" - 24 Hrs a day 8/N/1 14.4k-300 baud

-----  
Date: 30 Aug 1994 22:53:38 GMT  
From: intac!usenet@uunet.uu.net  
Subject: Ten-Ten Number - where to get one?  
To: info-hams@ucsd.edu

Can anyone tell me how to enroll in the Ten-Ten Club?

Tnx - 73  
Thom (N2CBV)

-----  
Date: Wed, 31 Aug 1994 01:42:11 GMT  
From: psinntp!gdstech!bat@uunet.uu.net  
Subject: Ten-Ten Number - where to get one?  
To: info-hams@ucsd.edu

In article <340d9i\$5hs@uucp.intac.com> forbes@intac.com (Thom Forbes) writes:

>Can anyone tell me how to enroll in the Ten-Ten Club?

>

>Tnx - 73

>Thom (N2CBV)

Tom, send a note to WA2SUH at his CBA for help.

-pat KE2LJ

--

```
*-----*
*   Pat Masterson   D12-25   | KE2LJ@KC2FD           *
*   Grumman Data Systems | 516-346-6316.         *
*   Bethpage, NY 11746   | bat@gdstech.grumman.com    *
```

-----

Date: Tue, 30 Aug 1994 22:33:37 GMT

From: amd!weitek1!johnm@decwrl.dec.com

Subject: TNC-2 mods for 9600 pacsat use

To: info-hams@ucsd.edu

Some time back there was some discussion about the benefits of using a higher clock rate on the TNC-2 when using 9600 baud on the pacsats. Whether or not this is an advantage, I don't know, but I am kitting up a bare TNC2 board, destined to be used with a G3RUH 9600 modem. Can anybody tell me exactly what changes ? (the xtal obviously, but what kind of Z80/SIO, other parts need to be changed ?

Thanks,

John Mcleod N6RCD.

-----

Date: Wed, 31 Aug 1994 02:18:21 GMT

From: netcomsv!netcom.com!carreiro@decwrl.dec.com

Subject: W6RO @ The Queen Mary

To: info-hams@ucsd.edu

Greg Bullough (greg@netcom.com) wrote:

: If use of W6RO (as W6RO) is contingent upon being a hotel guest, could it  
: be construed that W6RO is being used for commercial purposes, to promote  
: the hotel?

: ...

: One would hope that all licensed amateurs would be invited to operate at  
: the landmark.

: Greg

Your last comment is true. W6RO is open for operation to all amateurs

who present a current valid amateur radio license, hotel guests and tourists alike. Operating privileges are determined by the highest class operator present, as usual when visiting another station.

I was a radio operator for the Long Beach club on the Queen Mary, W6R0 until 1988 when I left the area for work commitments. I hope to resume my operation on board in a few months. When I do return to the area, I will post what information I can find regarding current W6R0 operations here in this thread.

Let me add one footnote to my first paragraph... those comments were the Long Beach club's policy as of 1988. I assume things have not degraded during my 6 year hiatus to make them false.

73 Paul N6HCS

--

carreiro@netcom.com  
N6HCS@N0ARY.#NOCAL.CA.USA.NA

-----  
Date: 30 Aug 1994 23:16:02 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: Willco Memory Problem  
To: info-hams@ucsd.edu

If you own an IC-751 with the Willco ICM-1024 memory upgrade, you may have problems using a computer interface. There is a bad location in the ROM that will render the CIV bus inoperative. Fortunately this will only affects about 40 units. There's no problem with the R71 and the IC-745 doesn't have a computer interface.

If you have this problem send E-mail. We will make arrangements to replace your board.

Jack Albert WA9FVP

-----  
Date: 30 Aug 1994 23:58:01 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!agate!spool.mu.edu!news.cs.indiana.edu!mozo.cc.purdue.edu!rain!mconner@network.ucsd.edu  
To: info-hams@ucsd.edu

References <33o1t7\$eaj@geraldo.cc.utexas.edu>, <33t35m\$skt@freenet3.scri.fsu.edu>, <33v5bn\$f0a@info.census.gov>rdue

Subject : Re: Ragchewing conversational protocol

In article <33v5bn\$f0a@info.census.gov> kbarnes@info.census.gov (Kevin Barnes) writes:

>I live in the Louisville, KY area. Around here, the "seasoned" hams seem  
>to have a real problem with repeaters being used by rag-chewers. Even though  
>the rag-chewers follow proper procedure and are courteous, they still don't  
>like it. They feel that using a repeater for a "round table" or an  
>extended QSO defeats the original intent of having a repeater in the first  
>place, which was to extend the range of HTs and mobiles.

^^

True, but extend the range to do what? Is the repeater to be used only by low-power equipment in emergencies? I guess if the trustee wants to do that, that's up to him/her. A good discussion on the repeater should help bring the local hams together as a group, and it's a common meeting point where everyone can listen and join in if they want.

>The "seasoned"  
>hams want the rag-chewing to be done on simplex. It has gotten so bad  
>around here that a couple of guys just turned their repeaters off, and  
>another guy shuts his down every evening.

Seems kind of odd to spend all that time and money on equipment, only to leave the power switch in the "off" position because people use it. If the users were considerate, and weren't doing anything to put the trustee's license in jeopardy, turning it off for no reason other than because people use it to ragchew seems rather spiteful.

>  
>I have mixed feelings about this issue. I understand the point that the  
>repeater owners are trying to make, but I also wonder if it is practical  
>to expect all hams to use a repeater just the way you want it used. If  
>no FCC rules are being broken, and everyone is being friendly and stuff,  
>I don't see how much "enforcement" can be done.

>  
>Kevin Barnes (N9RMG)

People doing extended ragchews with enough power to talk to each other on simplex should do so, especially if it's a one-on-one. If you're having a group discussion and would like others to join in, a repeater is ideal, since it's a common "meeting place". I monitor the local repeater outputs quite a bit, but I don't scan through the band all that often - if a group met on simplex, I probably wouldn't know about it unless I just happened to stumble on it.

Anyone carrying on an extended QSO on a repeater should check every

few minutes to see if someone wants in. In fact, I'd invite them in explicitly - "OK, Bob, let's let the carrier drop and see if someone else needs to use the repeater - N9XTN".

As long as the ragchewers are considerate and give emergency traffic the opportunity to break in, I don't see the problem. But the trustee owns the repeater and can set any limits they want. Whether those limits make good sense is another question altogether.

--

Mark D. Conner - N9XTN	Opinions expressed here are
Dept. of Earth & Atmospheric Sciences	not necessarily those of the
Purdue Univ., W. Lafayette IN 47907	Government, DoD, Purdue, or
mconner@rain.atms.purdue.edu	the author.

-----

End of Info-Hams Digest V94 #981  
\*\*\*\*\*